### KENNEDY SPACE CENTER ENVIRONMENTAL HEALTH PROGRAM

#### ENVIRONMENTAL HEALTH SERVICES

NASA-CR-204521

- HEALTH PHYSICS
  ENVIRONMENTAL SANITATION AND POLLUTION CONTROL
- INDUSTRIAL HYGIENE

# 029364

#### **HEALTH PHYSICS**

- IONIZING RADIATION
  - RADIOACTIVE MATERIALS
    - INDUSTRIAL RADIOGRAPHY OPERATIONS CO60, IR192
    - CALIBRATION SOURCES
    - RESEARCH EXPERIMENTS C<sub>14</sub>, H<sub>3</sub>
    - PAYLOAD PROCESSING
    - RADIOISOTOPE THERMOELECTRIC GENERATORS
  - RADIATION PRODUCING DEVICES
    - MEDICAL X-RAY
    - ELECTRON MICROSCOPE
    - INDUSTRIAL X-RAY
    - LINEAR ACCELERATORS
- NON IONIZING RADIATION
  - COMPREHENSIVE RADIATION PROTECTION SURVEYS
    - RADIOFREQUENCY AND MICROWAVE TRANSMITTERS
    - LASERS
    - OPTICAL DEVICES
    - VIDEO DISPLAY TERMINALS
- RADIATION USE AUTHORIZATION
  - REQUIRED FOR ALL HAZARDOUS SOURCES OF RADIATION
  - EVALUATION OF POTENTIAL RADIATION HAZARDS
  - IDENTIFIES APPROPRIATE CONTROLS FOR SAFE USE OF RADIATION SOURCES

# ENVIRONMENTAL SANITATION / POLLUTION CONTROL

- ENVIRONMENTAL SANITATION
  - DRINKING WATER INSPECTION
  - FOOD SERVICE INSPECTION
  - FACILITY SANITATION INSPECTIONS
  - CHILD CARE FACILITY INSPECTIONS
  - ANIMAL/VECTOR CONTROL INVESTIGATIONS
  - LAUNCH AND LANDING SUPPORT
  - ON-SITE SEWAGE DISPOSAL SYSTEMS
  - MOSQUITO SURYEILLANCE

# POLLUTION CONTROL & CONTAMINATION INVESTIGATIONS

- PERMIT COMPLIANCE MONITORING
  - LAUNCH COMPLEXES
  - OTHER FACILITIES
- SPILL INVESTIGATIONS
- CONTAMINATION INVESTIGATIONS
- REMEDIATION MONITORING
- SPECIAL PROJECTS CONSTRUCTION PROJECTS
- AIR EMISSION COMPLIANCE
  - PERMITTED FACILITY MONITORING
  - HVAC/MVAC COMPLIANCE MONITORING
  - FUGITIVE EMISSIONS MONITORING
  - VISIBLE EMISSIONS MONITORING

### NATURAL RESOURCES

- HISTORIC PRESERVATION
- WETLANDS
- STORMWATER
- SURFACE WATER
- FLOOD PLAIN MANAGEMENT
- COASTAL ZONE MANAGEMENT
- THREATENED AND ENDANGERED SPECIES
- NATIONAL ENVIRONMENTAL POLICY ACT COORDINATION
- ENVIRONMENTAL ASSESSMENTS/ ENVIRONMENTAL IMPACT STATEMENTS
- SITING REQUESTS
- DIG PERMITS
- DOCUMENTATION

### INDUSTRIAL HYGIENE

# HEALTH HAZARD EVALUATIONS

- CHEMICAL EXPOSURE ASSESSMENTS
  - DUSTS
  - FUMES
  - MISTS
  - GASES
  - VAPORS
- DOSIMETRY PROGRAMS
  - HYDRAZINE
  - OZONE
- HEAT STRESS SURVEYS
- OCCUPATIONAL SAFETY AND HEALTH COMPLIANCE
  - LEAD
  - CADMIUM
  - ASBESTOS
- UNIQUE HAZARDS
  - COMPOSITE FIBERS
  - DIMETHYLETHOXYSILANE

### CONFINED SPACE

- CONFINED SPACE HAZARD EVALUATIONS
- ENTRY CHECK
- ATMOSPHERIC TESTING
  - OXYGEN DEFICIENCY
  - COMBUSTIBLE GAS
  - TOXIC GAS, VAPOR

### COMPLAINT INVESTIGATIONS

- ODOR COMPLAINTS
- INDOOR AIR QUALITY SURVEYS
- INDUSTRIAL INCIDENT / EXPOSURE INVESTIGATIONS

#### EMERGENCY RESPONSE

- 911 RESPONSE
- DISASTER CONTROL GROUP

#### LAUNCH SUPPORT

- SHUTTLE, TITAN, ATLAS, DELTA
  - DOWNWIND ROVER
  - HAZARDOUS AREA OPEN-UP
  - TOXIC VAPOR CHECK

#### ASBESTOS

- ABATEMENT OPERATIONS MONITORING
- AIR SAMPLING AND ANALYSIS
- BULK SAMPLE COLLECTION AND ANALYSIS
- PROJECT DESIGN REVIEW
- COMPREHENSIVE FACILITY SURVEY

### HAZARDOUS NOISE

- AREA SURVEY
- PERSONNEL DOSIMETRY
- THRESHOLD SHIFT FOLLOW-UP
- REVIEW FOR HEARING CONSERVATION PROGRAM

#### VENTILATION

- LABORATORY HOODS
- LOCAL EXHAUST SYSTEMS
- GENERAL VENTILATION SYSTEMS